

DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge Program

333 Burma Rd.
Oakland, CA 94607
(510) 622-5660, (510) 286-0550 fax



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June 27, 2007

Contract No. 04-0120F4
04-SF-80-13.2 / 13.9
Self-Anchored Suspension Bridge
Letter No. 05.03.01-000344

Michael Flowers
Project Executive
American Bridge/Fluor Enterprises, a JV
375 Burma Road
Oakland, CA 94607

Dear Michael Flowers,

Submittal 162 - MFSQA for Nantong Manufacturing Base, ZPMC

The Department has completed review of Submittal ABF-SUB-000162R00, "MFSQA for Nantong Manufacturing Base, a facility of Shanghai Zhenghua Port Machinery Company, Ltd.," dated June 13, 2007. The submittal is determined to be incomplete and is returned "Revise and Resubmit." The following are comments from the review:

1. Section A, Item 4 – The MFSQA does not include resumes of personnel who have experience working with American standards (ASTM) or codes.
2. Section A, Item 5 – The provided response is unclear and refers to a procedure that was not included in the MFSQA. A copy of the written procedure to distribute specification requirements and changes to appropriate personnel is required.
3. Section A, Item 6 – The AISC website shows certifications for Shanghai and Jiangsu province, but does not refer explicitly to the Nantong Base. A copy of the AISC certificate for this facility or clarification demonstrating that the Shanghai certification includes this facility should be provided.
4. Section B & C – It has been confirmed that the Changxing base of ZPMC will provide drawings; however, as required in item C-3, no written procedure has been submitted for maintaining revisions or control of shop drawings. Additionally, several references have been made to a QA manual and other procedures submitted to ABF that have not been provided with the submittal.
5. Section F – It has been noted that material will be processed at the Changxing base and then shipped to the Nantong facility; however, as required in Section F-1 and F-4, a detailed written procedure should be available at the facility to determine a proper protocol for material receiving and the handling of non-conforming items. The attachments F-1 & F-6 provide a brief flow chart of the materials receiving process, but it neither provides detailed written procedures, nor addresses all the scenarios. In addition, no details of the tracking system for stored or stocked material are provided in response to Item 9.
6. Section G, Item 3 – The attachments G-3 and G-4 do not provide adequate information for the proper handling and storage of material.
7. Section H, "Welding and Consumables" – It has been stated that no welding will be performed at this facility; however, it is noted in attachment G-3 that pre-treatment, flatness adjustment,

- plate cutting, drilling holes, etc. will be performed. These processes require compliance with the AWS codes and projection specifications and therefore should be addressed accordingly.
8. Section K, Items 1-3 – The provided responses reference a QA manual that was not submitted with the MFSQA. In addition, no references are made to any specific part of the QA manual to address specific questions included in these items.
 9. Section K, Item 4 and Item 6 – The requirements of a CWI and NDT inspector were both responded to in the MFSQA as “Not Applicable.” However, as required in the Special Provisions for ribs, acceptance of the Contractor’s proposed bending method will be based on nondestructive and destructive testing. Therefore, NDT inspection might be required before the start of work. Additionally, visual inspection by a CWI or NDDT inspector might be required for cutting, drilling, and bending operations to check compliance with applicable AWS codes, project specifications, or any damages.
 10. Section K, Item 14 – The MFSQA indicated that repair and re-inspection procedures were available; however, none were attached for review.
 11. Section K, Item 16 – It was indicated that, “QA & QC is independent from production;” however, no organization chart or similar documentation was provided to substantiate this statement.
 12. Section L, Item 5 – It was stated that, “traceability of all primary load carrying components to MTR’s was not applicable;” however, traceability of each component to heat numbers and MTR’s is an essential element for all structural steel items.

No audit of the facility will be scheduled until such time that all comments are addressed and resubmitted.

If you have any further questions, please contact Dr. Mazen Wahbeh at (818) 292-0659.

Sincerely,



GARY PURSELL
Resident Engineer

cc: Rick Morrow, Brian Boal
file: 05.03.01, 55.0162